

A novel function for a ubiquitous plant enzyme pectin methylesterase : the host-cell receptor for the tobacco mosaic virus movement

Dorokhov, Yu.L.; Mäkinen, K.; Frolova, O.Yu.; **Merits, Andres**; Saarinen, J.; Kalkkinen, Nisse; Atabekov, J.G.; **Saarma, Mart** FEBS letters 1999 / p. 223-228

Activities associated with the putative replication initiation protein of coconut foliar decay virus, a tentative member of the genus nanovirus

Merits, Andres; Fedorkin, O.N.; Guo, D.; Kalinina, N.O.; Morozov, S.Y. Journal of general virology 2000 / p. 3099-3106

Biochemical and genetic evidence for interactions between potato A potyvirus-encoded proteins P1 and P3 and proteins of the putative replication complex

Merits, Andres; Guo, D.; Järvekülg, Lilian; **Saarma, Mart** Virology 1999 / p. 15-22

Biological, serological and molecular differences among isolates of potato A potyvirus

Rajamäki, M.; **Merits, Andres**; Rabenstein, Frank; **Andrejeva, Jelena** Phytopathology 1998 / p. 311-321

Characterisation of VPg and the polyprotein processing of Cocksfoot mottle virus (genus Sobemovirus)

Mäkinen, K.; Mäkelainen, K.; Arshava, N.; Tamm, Tiina; **Merits, Andres**; Truve, Erkki; Zavriev, S.; **Saarma, Mart** Journal of general virology 2000 / p. 2783-2789

Comparison of the complete sequences of five different isolates of potato virus A (PVA), genus Potyvirus

Kekarainen, T.; **Merits, Andres**; Oruetxebarria, J.; Rajamäki, M.-L.; Valkonen, J.P.T. Archives of virology 1999 / p. 2355-2366

Complementation of the movement-deficient mutations in potato virus X : potyvirus coat protein mediates cell-to-cell trafficking of C-terminal truncation but not deletion mutant of potexvirus coat protein

Fedorkin, N.O.; **Merits, Andres**; Lucchesi, Jimmy; Solovyev, A.G.; **Saarma, Mart**; Morozov, S.Y.; Mäkinen, K. Virology 2000 / p. 31-42

Elimination of phosphorylation sites of Semliki Forest virus replicase protein nsP3

Vihinen, Helena; Ahola, Tero; Tuittila, Minna; **Merits, Andres**; Kääriäinen, Leevi Journal of biological chemistry 2001 / p. 5745-5752
<http://dx.doi.org/10.1074/jbc.M006077200>

Expression of fibrinolytic enzyme, lebetase, from Vipera lebetina snake venom by baculovirus expression

Siigur, Ene; Tönnismägi, Külli; **Merits, Andres**; Drews, Monika; Siigur, Jüri Toxicon 1999 / p. 305

Expression of prolebetase from Vipera lebetina by baculovirus system. Plasmogen activating activity of SF-S cell lysates

Siigur, Ene; Tönnismägi, Külli; **Merits, Andres**; Drews, Monika; Siigur, Jüri Fibrinolysis & proteolysis 1998 / 1, p. 66

Formation of the alphavirus replication complex

Ahola, Tero; Salonen, Anne; Vasiljeva, Lidia; **Merits, Andres**; Kääriäinen, Leevi XIth International Congress of Virology 2002 / p. 91

Glycosylation of phytapsin and expression of dad1, dad2 and ost1 during onset of cell death in germinating barley scutella

Lindholm, Päivi; Kuittinen, T.; Sorri, O.; Guo, D.; **Merits, Andres**; Törmäkangas, K.; Runeberg-Roos, Pia Mechanisms of development 2000 / p. 169-173 <https://pubmed.ncbi.nlm.nih.gov/10781951/>

Host species-dependent and virus strain-dependent long-distance movement of potato A potyvirus

Andrejeva, Jelena; **Merits, Andres**; Puurand, Ülo; Järvekülg, Lilian; **Saarma, Mart**; Valkonen, J.P.T. ICPP98 : 7th International Congress of Plant Pathology, Edinburgh, Scotland, 9-16 August 1998. Vol. 2, Offered papers, abstracts 1998 / paper 1.11.29 (1 p.)

Identification of a novel function of the alphavirus capping apparatus. RNA 5'-triphosphatase activity of Nsp2

Vasiljeva, L.; **Merits, Andres**; Auvinen, P.; Kääriäinen, L. Journal of biological chemistry 2000 / p. 17281-17287

Identification of the genome-linked protein in virions of Potato virus A, with comparison to other members in genus Potyvirus

Oruetxebarria, I.; Guo, D.; **Merits, Andres**; Mäkinen, K.; **Saarma, Mart**; Valkonen, J.P. Virus research 2001 / p. 103-112

Phosphorylation down-regulates the RNA binding function of the coat protein of potato virus A

Ivanov, K.I.; Puustinen, P.; **Merits, Andres**; **Saarma, Mart**; Mäkinen, K. Journal of biological chemistry 2001 / 17, p. 13530-13540 : ill
<https://pubmed.ncbi.nlm.nih.gov/11152464/>

Phosphorylation sites of Semliki Forest virus NSP3 and role of phosphorylation in virus replication

Vihinen, Helena; Saarinen, Juha; Ahola, Tero; **Merits, Andres**; Kääriäinen, Leevi 11th International Congress of Virology : Sydney, 1999 1999 / p. 92

Polypurine (A)-rich sequences promote crosskingdom conservation of internal ribosome entry

Dorokhov, Y.L.; **Merits, Andres** Proceedings of the National Academy of Sciences of the USA 2002 / 8, p. 5301-5306

Potyvirus helper component-proteinase and coat protein (CP) have coordinated functions in virus-host interactions and the same CP motif affects virus transmission and accumulation

Andrejeva, Jelena; Puurand, Ülo; **Merits, Andres**; Rabenstein, Frank; **Järvekülg, Lilian**; Valkonen, J.P.T. Journal of general virology 1999 / p. 1133-1139

Proteolytic processing of potyviral proteins and polyprotein processing intermediates in insect and plant cells

Merits, Andres; Rajamäki, M.-L.; **Saarma, Mart** Journal of general virology 2002 / 5, p. 1211-1221 : ill

<https://pubmed.ncbi.nlm.nih.gov/11961277/>

Proteolytic processing of Semliki Forest virus-specific non-structural polyprotein by nsP2 protease

Merits, Andres; Vasiljeva, Lidia; Ahola, Tero; Kääriäinen, Leevi; Auvinen, Petri Journal of general virology 2001 / p. 765-773 : ill

<https://dx.doi.org/10.1099/0022-1317-82-4-765>

Regulation of -1 ribosomal frameshifting directed by cocksfoot mottle sobemovirus genome

Lucchesi, Jimmy; Mäkelainen, K.; **Merits, Andres**; Tamm, Tiina; Mäkinen, K. European journal of biochemistry 2000 / p. 3523-3529

RNA binding properties of potato A potyvirus encoded structural and non-structural proteins

Merits, Andres; **Saarma, Mart** ICPP98 : 7th International Congress of Plant Pathology, Edinburgh, Scotland, 9-16 August 1998. Vol. 2, Offered papers, abstracts 1998 / paper 1.11.3 (1 p.)

Self-association and mapping of interaction domains of the helper component proteinase of potato A potyvirus

Guo, D.; **Merits, Andres**; **Saarma, Mart** Journal of general virology 1999 / p. 1127-1131

Site-specific protease activity of the carboxyl-terminal domain of Semliki Forest virus replicase protein nsP2

Vasiljeva, L.; Valmu, L.; Kääriäinen, L.; **Merits, Andres** Journal of biological chemistry 2001 / p. 30786-30793

Subcellular localization of five potato virus A proteins

Truve, Erkki; Sarmiento Guerin, Maria Cecilia; Hunt, R.; **Merits, Andres**; Paves, Heiti; **Järvekülg, Lilian** Plant molecular biology reporter 2000 / p. S30-44

Subcellular localization of five PVA proteins in tobacco protoplasts

Sarmiento Guerin, Maria Cecilia; Hunt, R.; **Merits, Andres**; Paves, Heiti; **Järvekülg, Lilian**; **Truve, Erkki** American Society for Virology Scientific Program and Abstracts : 19th Annual Meeting : Colorado State University, Fort Collins, Colorado, July 8-12, 2000 2000 / p. 92

Subcellular localization of five PVA proteins in tobacco protoplasts

Sarmiento Guerin, Maria Cecilia; Hunt, R.; **Merits, Andres**; Paves, Heiti; **Järvekülg, Lilian**; **Truve, Erkki** 5th Congress of the European Foundation for Plant Pathology : Taormina-Giardini-Naxos, 2000 2000 / p. 16

The complete nucleotide sequence of the ryegrass mosaic potyvirus indicates that it is a recombinant between members of two different genera in the family Potyviridae

Schubert, J.; Fauquet, C.; **Merits, Andres**; Rabenstein, Frank Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz 1999 / p. 392-404

The structure of GFR[alfa]1 domain 3 reveals new insights into GDNF binding and RET activation

Leppänen, V.M.; Bespalov, Maxim M.; Runeberg-Roos, Pia; Puurand, Ülo; **Merits, Andres**; **Saarma, Mart**; Goldman, A. EMBO journal 2004 / 7, p. 1452-1462

Virus-specific capping of tobacco mosaic virus RNA : methylation of GTP prior to formation of covalent complex p126-m7GMP

Merits, Andres; Kettunen, Reetta; Mäkinen, Kristiina; Lampio, Anja; Auvinen, Petri; Kääriäinen, Leevi; Ahola, Tero FEBS letters 1999 / p. 45-48 [http://dx.doi.org/10.1016/S0014-5793\(99\)00856-X](https://dx.doi.org/10.1016/S0014-5793(99)00856-X)

Virus-specific mRNA capping enzyme encoded by hepatitis E virus

Magden, Julia; Takeda, Naokazu; Li, Tiancheng; Auvinen, Petri; Ahola, Tero; Miyamura, Tatsuo; **Merits, Andres**; Kääriäinen, Leevi Journal of virology 2001 / p. 6249-6255 [http://dx.doi.org/10.1128/JVI.75.14.6249-6255.2001](https://dx.doi.org/10.1128/JVI.75.14.6249-6255.2001)

Vpg, coat protein and five non-structural proteins of potato A potyvirus bind RNA in a sequence-unspecific manner

Merits, Andres; Deyin, G.; **Saarma, Mart** Journal of general virology 1998 / p. 3123-3127